

Product Kits



Leg Stand 501248 - TS-200-2 508213 - TS-250M-2



Sliding Table Kit 501254 - TS-200-2 508214 - TS-250M-2



R/H Extension Table 508311 - TS-200-2 508313 - TS250M-2



Table Saw Complete Kit 717666 - TS-200-2 717667 - TS- 250M-2

TS-200-2 & TS-250M-2

Basic Table Saws

Whole assembly instructions including leg stand extension table and sliding table kits



AT&M: 24/02/2015 REF: 508472

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Declaration of Conformity

Copied from CE Certificate

The undersigned, Dipl. - Ing.

Authorised by Laizhou Chunlin Machinery Co., Ltd No. 269 Baoshi Road Wenfeng Street Laizhou City, Shandong 261400 P.R. China.

Model Number: MJ10-SB200 / MJ10-SB250

Circular Saw

Manufactured by Laizhou Chunlin Machinery Co., Ltd. is in compliance with the standards determined in the following Council Directive.

2006/42/EC Article 12, Section 3b



The symbols below advise that you follow Warning the correct safety procedures when using this machine.



Fully read manual and safety instructions before use



Ear protection should be worn



Eye protection should be worn



should be worn



HAZARD Motor gets hot

What's Included

Quantity	Item	Part	Model Number
			MJ10-SB200 / MJ10-SB250
	D : 711 6 A 11		(TS 200 2 K; S 1 500240)
1 N.a	Basic Table Saw Assembly	Δ.	(TS-200-2 Kit Code: 508310)
1 No 1 No	Basic Table Saw and Kerf Plate with Phillips Screws Riving Knife	A A1	(TS-250M-2 Kit Code: 508312)
12 No	Table Insert Height Shims	A1 A2	
1 No	Micro Adjuster (TS-250M-2 ONLY)	A2 A3	
1 No	Hose Support Bracket and fixing Cap head Screws/nut		
1 No	Crown Guard with Flexible Hose	B B	
1 No	Dust Extraction Moulding	D	
I NO	with four Phillips Screws	С	
1 No	Mitre Fence Assembly	D	
1 No	(Short) Rip Fence Assembly & Extension	E	
1 No	(Short) Fence Assembly & Extension (Short) Fence Rail with Scale	F	
1 No	Bag Containing	G	
2 No	Screwdrivers	G1	
1No	Hose Clip	G2	
2 No	10-12mm Spanners	G2	
1 No	13-15mm Spanner	G3	
1 No	17-19mm Spanner	43	
1 No	3mm and 4mm Hex Keys	G4	
1 No	Push Stick	G5	
2 No	Operating Wheel Handles	G6	
2 110	Operating wheel handles	GO	
	Optional Leg Stand Assembly		(TS-200-2 Kit Code: 501248)
4 No	Leg A" Frames	Н	(TS-250M-2 Kit Code: 508213)
4 No	Long Struts	ï	(13-230W-2 Nit Code: 300213)
4No	Short Struts	'	
4 No	Rubber Feet	K	
1 No	Bag Containing	L	
32 No	M8x16mm Coach Bolts with Nuts	L1	
4 No	M8x16mm Bolts with Large Washer and Nut	L2	
+110	Mox formin boits with Large washer and Nut	LZ	
-	Optional R/H Extension Table Assembly		(TS-200-2 Kit Code: 508311)
			(TS-250M-2 Kit Code: 508313)
1 No	(Long) Rip Front Fence Rail with Scale	M	
1 No	(Long) Rip Fence Assembly	N	
1 No	(Long) Rear Rip Fence Guide Rail	0	
1 No	Extension Table	Р	
1 No	Extension Table Support Leg	Q	
10 No	Cap head Screws	Q1	
13 No	Washers	Q2	
3 No	Nuts	Q3	
	Optional Sliding Table Assembly		(TS-200-2 Kit Code: 501254)
1 No	Angle Fence	R	(TS-250M-2 Kit Code: 508214)
1 No	Angle Fence End Block with two Phillips screws	R1	
1 No	Work Clamp Assembly	S	
1 No	Flip Over Stop	T	
1 No	Work Clamp and Connecting Blocks	U	
2 No	Sliding Carriage Support Arms	V	
1 No	Bag Containing	W	
4 No	M6x35mm Bolt and nut	W1	
4 No	M6x45mm Countersunk Head and Washer/Nut	W2	
4 No	M6x16mm Bolt and Washer/Nut	W3	
2 No	M8x10mm Bolt and Domed Nut (Carriage Arm Stop)	W4	
1 No	Carriage Arm	Х	
1 No	Sliding Carriage Table	Υ	

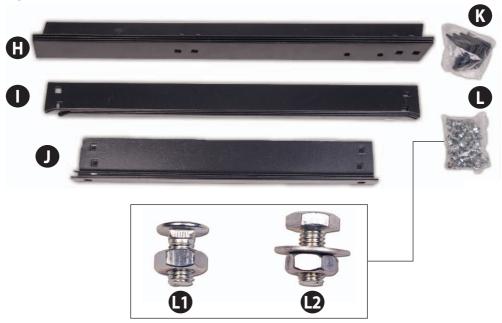
What's Included



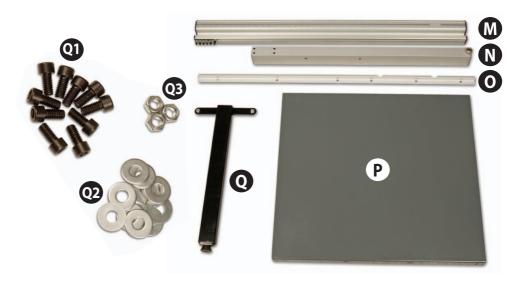
Having unpacked your saw and its accessories please dispose of any unwanted packaging properly. The packaging is biodegradable.



Leg Stand (Kit Codes: 501248 & 508213)



R/H Extension Table (Kit code: 508311 & 508313)



Optional Accessories



Good Working Practices/Safety

The following suggestions will enable you to observe good working practices, keep yourself and fellow workers safe and maintain your tools and equipment in good working order.



WARNING! KEEP TOOLS AND EQUIPMENT OUT OF THE REACH OF YOUNG CHILDREN

Primary Precautions

These machine are supplied with a moulded 13 Amp. Plug and 3 core power cable. Before using the machine inspect the cable and the plug to make sure that neither are damaged. If any damage is visible have the tool inspected/repaired by a suitably qualified person. If it is necessary to replace the plug, it is preferable to use an 'unbreakable' type that will resist damage on site. Only use a 13 Amp plug and make sure the cable clamp is tightened securely. Fuse as required. If extension leads are to be used, carry out the same safety checks on them and ensure that they are correctly rated to safely supply the current that is required for your machine.

Work Place/Environment

Make sure when the machine is placed that it sits firmly on the floor, that it does not rock and is sufficiently clear of adjacent obstacles so that cutting operations will not be impeded. Check you have adequate clearance both in front of and behind the machine when cutting long stuff. If you are liable to be processing unwieldy or awkward work pieces, it is suggested that you consider fastening the machine down to the floor.

The machine is not designed for sub-aqua operation, do not use when or where it is liable to get wet. If the machine is set up in the open, and it starts to rain (unusual though this would be in U.K.), cover it up or move it into the dry. If the machine has got wet; dry it off as soon as possible with a cloth or paper towel. Do not use 230V a.c. powered machines anywhere within a site area that is flooded or puddled and do not trail extension cables across wet areas. Keep the machines clean; it will enable you to more easily see any damage that may have occurred. Clean the machine with a damp soapy cloth if needs be, do

not use any solvents or cleaners, as these may cause damage to any plastic parts or to the electrical components. Keep the work area as uncluttered as is practical, this includes personnel as well as material.



UNDER NO CIRCUMSTANCES SHOULD CHILDREN BE ALLOWED IN WORK AREAS.

It is good practice to leave the machine unplugged until work is about to commence, also make sure to unplug the machine when it is not in use or unattended. Always disconnect by pulling on the plug body and not the cable. Once you are ready to commence work, remove all tools used in the setting operations (if any) and place safely out of the way. Re-connect the machine.

Carry out a final "tightness" check e.g. guide fence, table tilt, etc., check that the 'cutting path' (in this case the path that the work piece will travel) is unobstructed.

Make sure you are comfortable before you start work; balanced, not reaching etc.

If the work you are carrying out is liable to generate flying grit, dust or chips wear the appropriate safety clothing, goggles, gloves, masks etc. If the work operation appears to be excessively noisy, wear ear-defenders. If you wear your hair in a long style, wearing a cap, safety helmet, hair net, even a sweatband, will minimise the possibility of your hair being caught up in the rotating parts of the tool. Likewise, consideration should be given to the removal of rings and wristwatches, if these are liable to be a 'snag' hazard. Consideration should also be given to nonslip footwear, etc.

Do not work with cutting tools of any description if you are tired, your attention is wandering or you are being subjected to distraction. A deep cut, a lost fingertip or worse; is not worth it!

Do not use this machine within the designated safety areas of flammable liquid stores or in areas where there may be volatile gases. There are very expensive, very specialised machines for working in these areas, **THIS IS NOT ONE OF THEM.**

General Instructions for 230V Machines

Check that blades are the correct type and size, are undamaged and are kept clean and sharp, this will maintain their operating performance and lessen the loading on the machine.

Above all, **OBSERVE....** make sure you know what is happening around you and **USE YOUR COMMON SENSE.**

Specific Instructions/Precaution for the Saw Table

Make sure the saw blade is the correct type for the job in hand. Do not force the saw, if the saw begins to 'stall' you are 'forcing the cut' or over working the saw.

Ensure that the saw blade is clean and sharp.

Resin build up on the blades will increase the friction of the saw passing through the timber, and cause over heating of the blade, blunt teeth will work harder tearing the fibre of the timber as opposed to shearing it, also with subsequent overheating. Both faults unnecessarily load the machine beyond normal usage, and shorten its longevity.

Do not use blades that are deformed in any way.

Do not remove the blade guard. The design of the riving knife on the machine will not allow for slotting or 'blind' grooving, so there is no reason to remove the guard.

Do not remove the riving knife.

Do not use any blades that cut a smaller kerf than the riving knife thickness. Make sure the riving knife is correctly adjusted to the blade and is securely fastened. If the table insert becomes damaged or broken, and will not support the timber 'up close' to the blade, replace it.

Do not start the saw with the work piece touching the blade.

Do not commence sawing until the blade has run up to full speed.

After switching off, never try to slow the saw down more quickly by applying side pressure (with a piece of wood?) to the blade. Apply the old joiner's adage of never getting hands within one handbreadth of

the blade. Leave the machine disconnected from the mains supply until you are about to commence work. Always disconnect the machine if you are leaving it unattended.

Never leave the vicinity of the machine unless the blade has come to a complete stop.

Do not attempt to carry out any maintenance, corrective work, setting up etc., unless the machine is disconnected from the mains supply. If any tools have been used during setting up procedures, make sure they are removed from the machine and stowed safely away.

Do not attempt to carry out cross cutting operations 'freehand', always use the mitre fence for small stuff and the sliding carriage for larger work pieces. Unless you are an experienced machine operator, do not attempt to 'rip' freehand, always use the guiding facility of the rip fence.

It is perfectly acceptable to support guide and feed the timber with your hands whilst ripping stuff of some length, however, as you approach the blade ensure that the push stick is to hand, and you use it.

Remember the emphasis of the 'push' should be between the blade and the fence and close to the fence. Use your free hand to support and guide the material on the offside of the saw blade and at least 100mm away from it. If the timber does not extend to at least 100mm to the offside of the saw blade, the material possibly does not need guiding or supporting.

Check (especially on site), that there are no foreign objects e.g. old nails, screws, small stones etc embedded in the material you are about to cut. If necessary take a wire brush to the timber before working.

Code	508310
Model	TS-200-2 Basic
Rating	Hobby
Power	1.1kW 230V, 1ph
Blade Dia/Bore	205mm/30mm
Blade Tilt	0° to 45°
Max Depth of Cut @ 45°	40mm
Max Depth of Cut @ 90°	60mm
Max Width of Cut with Fence	190mm standard,
750mi	m with R/H Table Kit
Table Size	675 x 400mm
Table Height	320mm
Dust Extraction Outlet	100mm
Min Extraction Airflow Required	500m³/hr
Overall L x W x H	800 x 400 x470mm
Weight	55kg

Rating Power 1.	
Power 1. Blade Dia/Bore 2.	S-250M-2 Basic
Blade Dia/Bore	Hobby
	.5kW 230V 1ph
Blade Tilt	250mm/30mm
	0° to 45°
Max Depth of Cut @ 45°	60mm
Max Depth of Cut @ 90°	80mm
Max Width of Cut with Fence 20	0mm standard
760mm wit	h R/H Table Kit
Table Size	670 x 430mm
Table Height	360mm
Dust Extraction Outlet	100mm
Min Extraction Airflow Required	750m³/hr
Overall L x W x H 920 >	x 560 x 560mm
Weight	80ka

Assembly

Stand Assembly

Fig 01

- 1. Locate and identify the four leg "A" frames (H), the long struts (I) and the short struts (J) for the stand, and the packet containing 32 M8 x 16mm coach bolts, washers and nuts,(L1).
- 2. Using the M8 x 10mm coach bolts, nuts and washers bolt together two 'A' frames using two legs (H) one long strut (I) in the middle and one short strut (J) at the top. 'finger tighten' the nuts only at this time, see fig 1.
- **3.** When the two 'A' frames have been assembled, select one, turn it upside down on a flat surface and loosely bolt the 'short struts' (J) and long struts (I) in place, see fig 2. Attach the other "A' frame and loosely tighten.
- **4.** When all the components are assembled, turn the stand over and place the four rubber feet (K) to the ends of the 'A' frames. (See fig 3) Upright the frame and stand on the floor, see fig 4.

NOTE: GO ROUND THE FRAME AND FINGER TIGHTEN THE NUTS AT THIS POINT!

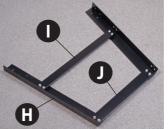




Fig 02

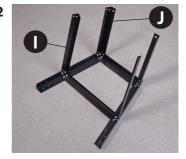




Fig 03

Fig 04

Mounting the Saw Bench to the Stand



1. With assistance, place the Saw Bench (A) onto the stand. Align

the four mounting holes at the base of the saw bench with the four mounting holes at each corner of the stand. Using four M8 x 16mm hex bolts, large washers & nuts (L2) secure the saw bench to the stand, see figs 05-06. Now tighten all the nuts on the stand assembly.





2. Locate the yellow kerf plate and four Phillips screws and secure it into the tables recess, see fig 7.

Fig 07



Basic Saw

1. Locate the two operating wheel handles (G6) and, using the supplied 3mm Hex key (G4), secure one to the height mechanism shaft to the front of the saw by undoing the grub screw on the operating wheel handle (G6) and sliding it onto the shaft, making sure the grub screw is in line with machined slot (a), in the shaft. Retighten the grub screw. Repeat for the tilt mechanism to the right hand side of the saw.

Fig A

Height mechanism shaft



Tilt mechanism shaft



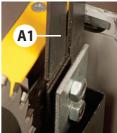
- 2. Slide the mitre fence (D) into one of the tables 'T' slots, see fig 08.
- 3. Remove the table inset, place safely aside and raise the saw blade to its maximum height. see fig 09. Fig 08-09

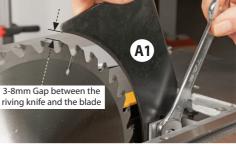


4. Locate the riving knife (A1). Loosen the two nuts holding the riving knife clamping plates, slide the riving knife down between the two plates and lightly tighten to hold the riving knife in place. Check that the tip of the knife has a clearance of 3-8mm between the blade then tighten the nuts to secure the riving knife in place, see figs 10-11-12.

Fig 10-11-12







5. Locate the crown guard and flexible hose (B). Remove the clamping pin bolt, washer and lift and shift handle from the crown guard assembly, slot the guard down over the riving knife (A1) until the holes are in line then replace the pin bolt, washer and clamping handle, see figs 13-14.

Fig 13-14





6. Locate the table insert height shims (A2), place a shim over the pre-drilled holes in the table insert recess place the insert on top and check its level with the main table, see fig 15-16. Add extra shims if required.

Fig 15-16





7. Remove the three nuts and washer from the fence rail (F) and place safely aside. Slot the threaded bolts in the fence rail through the three pre-drilled holes to the front of table, replace the washers/nuts and lightly tighten, see fig 17-18.





8. Lift up the clamping handle on the rip fence assembly (E) and slide the fence onto the fence rail (F), see fig 19. Fig 19



1

Assembly

9. Move the fence (E) until it's in line with the tables 'T' slot, see fig 20. If the fence is out of alignment loosen the four cap head screws on top of the rip fence assembly and adjust the fence until its in alignment with the 'T' slot, re-tighten the cap head screws, see fig 21-22.

Fig 20

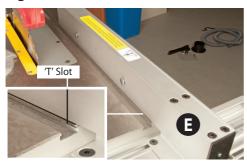


Fig 21-22



10. Remove the two clamping handles, washer from the fence assembly and place aside, remove the two coach bolt and insert them to the opposite side. Locate the rip fence extension and insert the two coach bolts into one of the two 'T' slots in the fence extension. Replace the washers and clamping handles you removed earlier. We advise you move the rip fence extension down until the end face is centred with the blade, see fig 23-24-25.



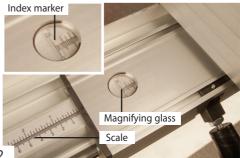




11. Slide the rip fence assembly (E) up against the blade and check the index marker on the magnifying glass reads 'zero' on the scale. If adjustment is required loosen the fence rail (F) and adjust until it reads 'zero'. Secure the fence rail, see fig 25-26-27.

Fig 25-26-27







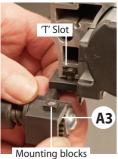
Micro Adjuster (TS-250M-2 ONLY)

12. Locate the micro adjuster (A3), remove the end cap from the rip fence assembly (E), see fig 28. Insert the mounting blocks on the micro adjuster (A3) into the 'T' slot to the side of the rip fence assembly. Line up the drive pinion with rack and using the supplied Phillips screwdriver secure the micro adjuster to the underside of the fence assembly, see fig 29-30. Replace the end cap.

NOTE: Make sure the teeth of the pinion engages into the rack.

Fig 28-29-30







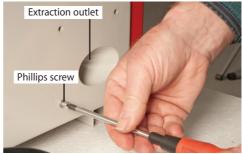
13. Lift up the fence clamping handle, push in and turn the control knob on the micro adjuster (A3) and check it tracks smoothly down the fence rail (F), see fig 31.

Fig 31



14. Locate the dust extraction moulding (C). Remove the four Phillips screws and washers around the extraction outlet, line up the holes in the dust extraction moulding with the threaded holes to the side of the saw and secure in position with the screws you removed earlier, see fig 32-33.

Fig 32-33





13 Continues Over...

15. Attach the hose support bracket (A4) to the far corner of the saw table using two cap head screws and nuts, see fig 34-35.

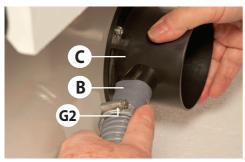
Fig 34-35





16. Locate the flexible hose (B) and hose clips (G2). Place a clip over one end of the hose and insert the hose over the 50mm outlet on the extraction moulding (C) and tighten the hose clip, see fig 36.

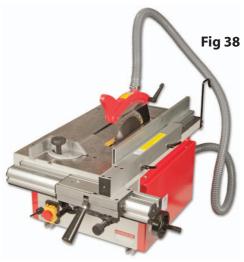
Fig 36



17. Place a clip over the other end of the hose and introduce the hose over the dust outlet on the crown guard tighten the hose clip, see fig 37. Lastly hook the hose over the support bracket (A4), see fig 38.

Fig 37

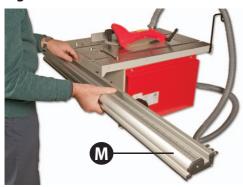




R/H Extension Table Kit

- 1. Locate the long rip fence rail (M), long rip fence (N), long rip fence guide rail (O), extension table (P), extension table support leg (Q), cap head screws, (Q1), washers, (Q2) and nuts (Q3).
- 2. Remove the fence assembly (E), short fence rail (F) unhook the flexible hose and remove the hose support bracket (A4) and place safely aside.
- **3.** Remove the first three nuts and washer from the fence rail (M) and place safely aside. Slot the first three threaded bolts in the long fence rail through the three pre-drilled holes to the front of table and secure with the washers/nuts and lightly tighten, see fig 39.

Fig 39



- **4.** Remove the washers/nuts from the remaining three bolts and place aside, position the bolts along the rail, put to hand four cap head screws (Q1) and washers (Q2), see fig 40.
- **5.** Slot the three bolts in the fence rail (M) through the three holes in the extension table (P), see fig 41 lift up the table (P) and align the four holes to the side with holes in the saw table and secure using cap head screws/washers, see fig 42-43.

Fig 40-41





Fig 42-43





6. Replace the three nuts/washers you removed earlier from the fence rail (M) and lightly tighten, see fig 44.

Fig 44



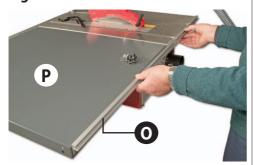
7. Locate six cap head screws (Q1), nine washers (Q2), three nuts (Q3), see fig 45.

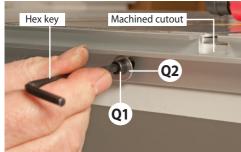


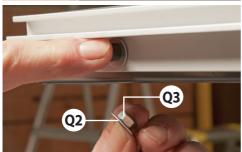
Assembly

8. Locate the rear rip fence guide rail (O), line up the holes and the machined cutouts with the 'T' slots to the rear of the saw table (A), see fig 46. Insert three cap head screws with washers through the guide rail (O) into the threaded holes in the saw table, lightly tighten with a Hex key. Place the further three cap head screws with washers through the guide rail and extension table (P), secure with the remaining washer and nuts (Q3), see figs 47-48.

Fig 46-47-48



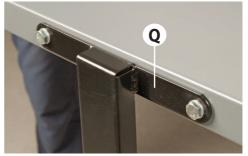




9. Locate the extension table support leg (Q), remove the two bolts washers and nuts and place safely aside. Line up the holes in the support leg bracket with the two holes to the end of the extension table (P), replace the fixing and tighten with the supplied spanners, see fig 49-50.

Fig 49-50





10. Loosen the cap head screw on the support leg and lower to the floor, nip up the screw, see fig 51.

11. Place a straight edge across both tables and adjust the front and rear fence rails and support leg until the tables are level, see fig 52-53.

Fig 51

Fig 52-53





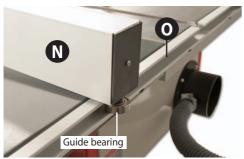
12. Replace the rip fence assembly (E) onto the front fence rail (F). Remove the short rip fence from the main assembly by removing the four cap head screws, place safely aside, see fig 54-55.

Fig 54-55



13. Locate the long rip fence (N), insert the guide bearing into the rear guide rail (O), see fig 56 align the four holes to the opposite end with the holes in the main clamping assembly and replace the cap head screws, securely tighten with the Hex key, see fig 57.

Fig 56-57







- **14.** Move the fence (E) until it's in line with the table's 'T' slot, if the fence is out of alignment loosen the four cap head screws on top of the rip fence assembly, see fig 57 and adjust the fence until its in alignment, re-tighten the cap head screws.
- **15.** Remove the rip fence extension from the short rip fence assembly and attach it to the long rip fence (N) as described on step 10 on page 12.
- **16.** Slide the rip fence assembly (E) up against the blade and check the index marker on the magnifying glass reads 'zero' on the scale. If adjustment is required loosen the fixings only on the front fence rail and lightly tap the end of the rail until the marker reads 'zero' on the scale.



ONLY LIGHTLY LOOSEN THE FRONT FENCE RAIL THEN TAP THE END UNTIL THE MARKER READS 'ZERO' ON THE SCALE.



NOTE: PLACE A STRAIGHT EDGE ACROSS THE FRONT EDGE OF THE TABLES AND CHECK THEY ARE STILL LEVEL AND ADJUST UNTIL CORRECT.

17. Replace hose support bracket (A4) to the far corner of the extension table and hook the flexible hose over he bracket, see fig 57.

Sliding Table Kit

1. Position one carriage support arm (V) to the underside of the cast iron saw bench (A), line up the clearance holes (a) in the support arm with the pre-drilled holes in the table, using four M6 x 45mm countersink heads and nuts, (W2) secure the support arm to the table using a 4mm Hex key (G4), see figs 58-59-60. Repeat for the remaining arm.

17 Continues Over...

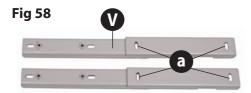
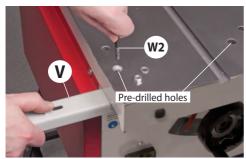


Fig 59-60





- 2. Place an M6x16mm Hex bolt (W3) in each of the four clearance holes on both support arms (V) and loosely screw on an M6 nut and washer, see fig 61.
- **3.** Locate the four M6x30mm Hex Bolts (W1) and lightly screw each bolt into the threaded holes to the underside of the carriage arm (X), see fig 62.

NOTE: Only screw on the bolts just enough so they are just below the surface of the threaded nut, see fig 11.

- **4.** Line up the Hex bolts (W3) with the 'T' slots in the carriage arm (X) and slide on the carriage arm, see fig 63.
- **5.** Locate the sliding carriage table (Y) and slide it onto the carriage arm (X), see fig 64.

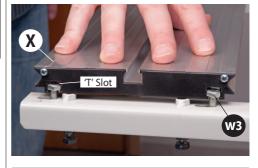
Fig 61



Fig 62



Fig 63

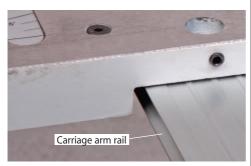




MAKE SURE THE WHEELS ON THE CARRIAGE TABLE ENGAGE CORRECTLY ONTO THE CARRIAGE ARM RAILS, SEE FIG 65.

Fig 64-65





6. Slide the carriage table (Y) to one end of the saw table (A), place a Level across both tables and adjust the M6 Hex bolts (W1) until the sliding carriage table (Y) is level with the table saw table (A), see fig 66. Repeat for the opposite side. When both tables are level tighten the four M6 Hex nuts (W3) to secure the sliding arm (X) in position.

Fig 66



7. Locate the two carriage arm stops (W4), loosen the domed nuts and slide the bolt heads into each end of the carriage arms 'T' slot. Tighten the nuts to lock the stop in place, see fig 67.

Fig 67



Angle Fence

1). Put to hand the work clamp block (U), and slide it into the T-slot on the angle fence (R). Locate the connecting block (U) and slide it onto the angle fence as before, see figs 68-69. Slide the T-bolt on the base of the connecting block (U) into the T-slot on the sliding carriage table (Y), see figs 70-71. Locate the plastic block and Phillips screws (R1), secure it to the end of the angle fence (R), see fig 72.

Fig 68-69





19 Continues Over...

Fig 70-71

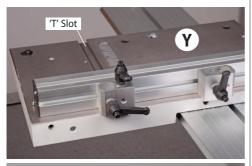
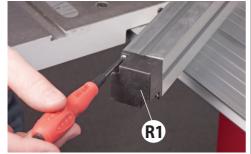




Fig 72



The picture above shows the angle fence (R) removed from the carriage table for clarity.

- **2.** Locate the work clamp (S), slot the work clamp into the 20mm hole in the work clamp block (U), secure in position with the lift and shift handle, see fig 73. To set the angle fence at 90°, push the angle fence (R) up against the stop, see fig 74.
- **3.** Make sure the plastic block on the end is just missing the blade. Using a 90° square check that the blade is at 90° to the angle fence (R), see fig 75.

Fig 73-74





Fig 75



When correct tighten the lift and shift handle on the connecting block (U), see fig 71. If the angle fence (R) is not set to 90°, undo the grub screw to the side of the sliding carriage table (Y), using a flat screwdriver turn the eccentric bush until the angle is correct, see figs 76-77.

4.To set the angle fence (R) to angles between 45° and 90° loosen the three lift and shift handles on the connecting and work clamp blocks (U) and set the fence to the required angle on the scale on the

Fig 76-77





carriage table (Y), see figs 78-79. Tighten the three lift & shift handles to lock the angle fence in position.

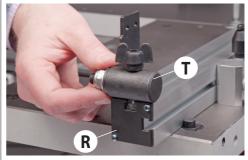
Note: The fence can also be used at the rear of the sliding carriage table if you prefer to push the timber against the fence.

Fig 78-79





Fig 80



5. Locate the flip over stop (T) and slide it into the T-slot on top of the angle fence (R), see fig 80. Tighten the butterfly knob.





Illustration and Parts Description

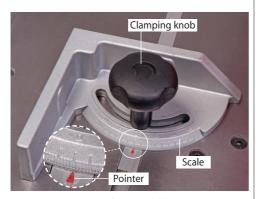








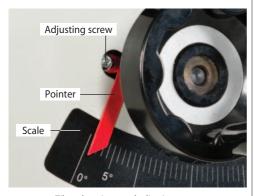
Illustration and Parts Description



Mitre fence assembly



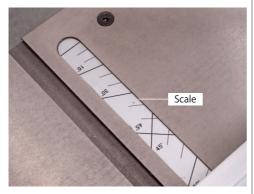
NVR ON/OFF switch with emergency stop shroud



Tilt scale pointer and adjusting screw



Tilt operating wheel

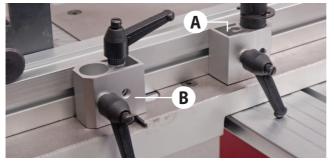


Carriage table scale for measuring set angles



Rise and fall operating wheel and the clamping handle for the tilt mechanisum

Illustration and Parts Description



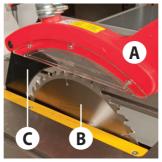
Work clamp block (A) and connecting block (B)



Flip over stop assembly



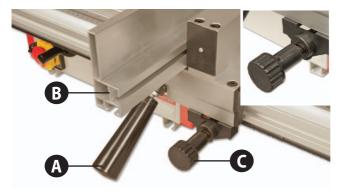
Fence rail scale



Crown guard (A), Blade (B) and Riving knife (C)



Saw blade assembly set at 45°



Rip fence clamp (A), Rip fence extension (B) and micro adjuster (TS-250M-2 Only) (C)



100mm Dust extraction outlet

Setup and Adjustment

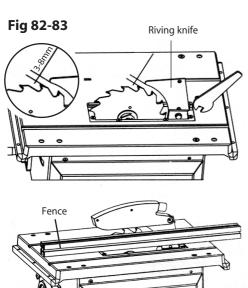
The Riving Knife

- 1. Raise the saw blade to its highest point and remove the saw blade crown guard, see fig 13-14 on page 11.
- 2. Remove the four Hex screws and place carefully aside, remove the table insert, see fig 81. Using the spanner provided loosen the riving knife and check that the tip of the knife has a clearance of 3-8mm between the blade then tighten the nuts to secure the riving knife in place, see fig 82.

NOTE: Check that the riving knife is parallel to the saw blade by placing the fence up against them. (See fig 83).

Fig 81





Adjusting the Rip Fence to the Blade

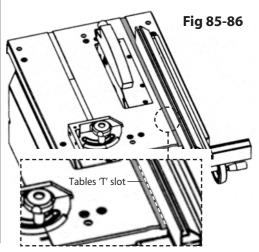
The fence assembly must be parallel to the saw blade for producing accurate cuts.

1. Remove the crown guard, raise the fence clamping handle and slide the fence assembly up against the saw blade and check it reads "ZERO" on the fence rail, see fig 84.

NOTE: If adjustment is required loosen the fixings ONLY on the front fence rail and lightly tap the end of the rail until the marker reads 'zero' on the scale. Check the tables are still level by placing a stright edge across the front edge and adjust until correct.



NOTE: Use the 'T' slot to the right side of the saw blade as a reference to check the fence is parallel, see figs 85-86. Regularly check the fence is parallel to ensure a perfect cut.



Setup and Adjustment

4. The rip fence extension can be repositioned from the vertical to a horizontal position for guiding thin timber pieces through. Loosen the two clamping handles holding the fence extension, remove, lay the fence extension down in the horizonal position and remount the fence extension as before, see fig 87. Move the extension down until the end face is centred with the blade and tighten the two clamping handles to lock the assembly, see fig 88.

Fig 87-88





Adjusting the Cutting Height

Adjust the blade height with the operating wheel (G6), see fig 89, so that the blade teeth are protruding through the work piece.

Fig 89



Adjusting the Pivot

NOTE: Before pivoting the blade for angle cuts first remove the 'yellow kerf plate' from the table, see fig 90.

Fig 90



1. Release the locking handle (A), see fig 89-91 the saw can be angled up to a maximum of 45° by turning the hand wheel (G6), see figs 91-92.

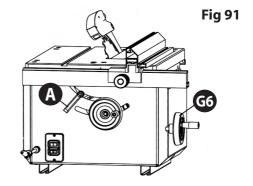


Fig 92



27

Setup and Adjustment

Setting the Blade Alignment

If the blade is not cutting 100% true, the blade is out of alignment. Follow the instructions below on how to set the blade to the table.

- **1.** Remove the blade crown guard and table insert, see fig 93.
- 2. Loosen the four Hex screws (A), see figs 93-94.
- **3.** Place a steel rule up-against one end of the blade and take a measurement to the 'T' slots edge, see fig 95.

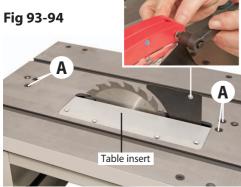




Fig 95

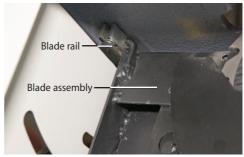


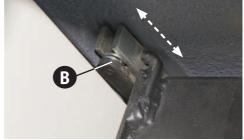
- **4.** Place the rule to the opposite end of the blade and take a further reading, see fig 96.
- **6.** If there is any deviation between the measurements, adjust the blade assembly by moving each end on its rails (B) (beneath the table), see figs 97-98, until both ends of the blade are the same distance away from the 'T' slot edge.
- 7. Tighten the four Hex scews (A).
- 8. Replace the blade guard and table insert.

Fig 96



Fig 97-98







NOTE: BEFORE USING YOUR SAW, GO ROUND AND MAKE SURE EVERYTHING IS SECURE, FASTENED DOWN, THAT ALL TOOLS ARE CLEARED AWAY FROM THE WORK AREA!



CHECK: THE BLADE FOR SHARPNESS, MISSING TEETH, RESIN BUILD UP ECT., CLEAN IF NECESSARY. CHECK THE BLADE IS SECURELY CLAMPED IN PLACE (I.E. NOT LOOSE)!



CONNECT THE SAW TO THE MAINS SUPPLY!

Give the machine a 'quick' burst check (i.e. quick ON-OFF) to ensure everything is O.K. If everything is satisfactory, the table saw is ready for use.



WARNING! KEEP TOOLS AND EQUIPMENT OUT OF THE REACH OF YOUNG CHILDREN!



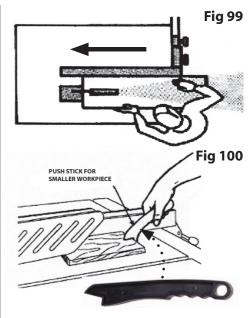
UNDER NO CIRCUMSTANCES
SHOULD CHILDREN BE ALLOWED
IN THE WORK AREAS!

Feeding the Work by Hand



CONNECT A DUST EXTRACTON MACHINE TO THE DUST EXTRACTION OUTLET ON YOUR TABLE SAW!

Start up the saw, wait until it has reached full speed and slowly feed the timber through using both handles, (making sure to keep your hands well clear of the blade and using a push stick for small pieces), until the timber is behind the riving knife. Switch off the saw, wait until the blade has come to a complete stop and remove the timber, see figs 99-100.



NOTE: Secure larger pieces of timber to the table by using the clamp assembly (S), see fig 73.

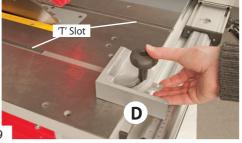
Cutting Narrow Pieces

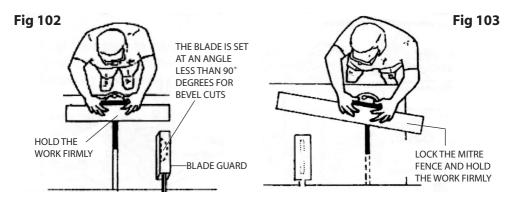
Use the small flat surface of the fence to cut thin timber narrower that 120mm, see fig 87-88. Use a push stick.

The Mitre Fence

The mitre fence (D) can be mounted on either side of the saw blade in the two 'T' slots, pre machined into the saw table, see fig 101. The mitre fence can be angled from 90° to 45° degrees, see fig 102-103.

Fig 101





Changing the Saw Blade

1. Raise the saw blade to its highest point, remove the saw blade guard, remove the four Hex screws that secure the table insert, place carefully aside and remove the table insert, see fig 104. Using the spanner provided, put the spanner onto the flats on the bolt and place a piece of timber up against the saw blade to stop it from moving, see fig 105.



NOTE: BE CAREFUL NOT TO DISTURB THE SHIMS BENEATH THE TABLE INSERT IF FITTED AS THE SHIMS ARE SET SO THE TABLE INSERT IS LEVEL WITH THE TABLE SURFACE!

2. Slacken off the saw bolt (remember right hand thread). Remove the saw bolt, then remove the sawplate washer and the saw blade, see figs 106-107. It would be a good time to give the interior of the machine, the dust extraction channels, etc. a thorough clean.

Fig 104



Fig 105



- **3.** Check the new blade for damage, missing teeth, sharpness etc. Fit the new blade, ensure that the teeth are pointing towards the front of the machine. Put the sawplate washer onto the shaft and twist on the saw bolt. Spin the bolt up finger tight and check the saw is correctly seated.
- **4.** Place the piece of timber against the blade as before and tighten up the saw bolt, check the riving knife is aligned with the saw blade, and correctly positioned. Replace the table insert and secure with the four Hex screws. Replace the saw blade guard. When everything is satisfactory, turn the saw blade once by hand to check it doesn't foul anywhere.
- **5.** Reconnect the machine to the mains supply. Give the machine a 'quick' burst check (i.e. quick ON-OFF) to ensure everything is O.K. If everything is satisfactory, continue to use the machine.

6. Check the old blade for sharpness, missing teeth, resin build up, etc., clean if necessary and send for refurbishment/resharpening if required. If the blade is not to be re-sharpened, clean and pack away in its storage case.

Fig 106 Fig 107





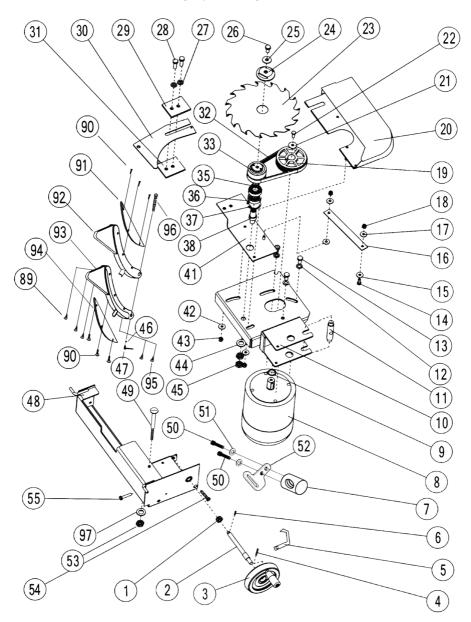
Maintenance

- 1. Keep the saw as clean and free from saw dust build up as is practical. Periodically, remove the saw gullet and vacuum out and clean out the saw box and the extraction housing. Remove any resin build up in the saw box, using a proprietary resin cleaner.
- 2. Clean the threaded drive shafts of the rise and fall and tilt mechanisms. At the same time check the belt drive, i.e. the belt is not 'glazing' with resin build up, likewise with the pulley wheels. Check the belt tension. If the belt is becoming slack, loosen the motor hold down bolts and drive the motor backward with its adjusting bolt.
- **3.** Check the saw blade regularly for chipped, missing, damaged teeth etc. and remove any resin build up from the blade, riving knife etc.
- **4.** If you have finished using the saw bench, clean above and below the work table wipe the saw bench over. If the saw bench is not going to be used for a period of time, smear a light coat of suitable oil over the work table and place a dust sheet over the saw bench.



Every three or four months we recommend you use 'Ambersil Dry PTFE Film Antistick' spray to lubricate the blade and tilt rise and fall screw threads.

TS-200-2 and TS-250M-2 (Motor Housing Exploded Diagram)



Parts Breakdown/List

Part No	Description	Qty
1	Set screw	1
2	Shaft	1
3	Hand wheel	1
4	Pin	1
5	Sharp	1
6	Pin	1
7	Lead screw nut	1
8	Motor	1
9	C-Spring	1
10	Motor guidance plate	1
11	Arbor	1
12	Washer	3
13	Set Screw	3
14	Set Screw	2
15	Washer	1
16	Long plate	1
17	Washer	1
18	Nut	2
19	Motor pulley	1
20	Extractor connecting piece	1
21	Washer	1
22	Set screw	1
23	Blade	1
24	Flange	1
25	Washer	1
26	Set screw	1
27	Washer	2
28	Set Screw	2
29	Holding plate A	1
30	Riving knife	1
31	Holding plate B	1
32	Poly-V belt	1
33	Spindle pulley	1
34	Washer	2
35	Ball bearing	1

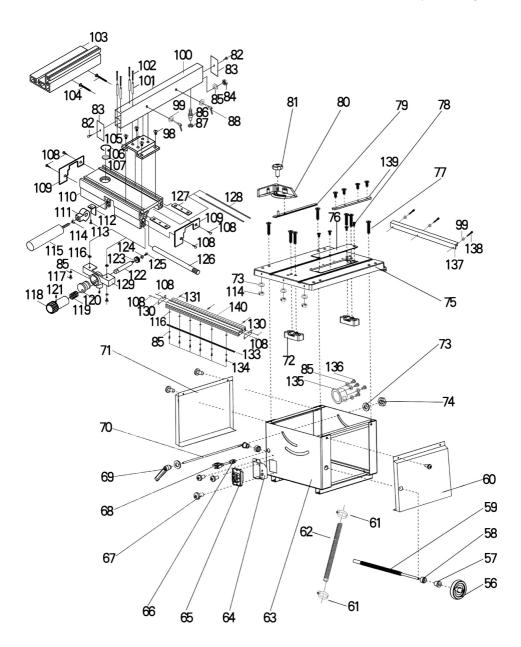
36	Ball bearing	1
37	C-Spring	1
38	Shaft	1
41	Supporting plate	1
42	Washer	2
43	Nut	2
44	Washer	1
45	Nut	2
46	Washer	1
47	Lever	2
48	Sawing base	1
49	Pin	1
50	Screw	1
51	Washer	1
52	Connecting plate	1
53	Lock bolt M5	1
54	Screw	1
55	Screw	1
56	Hand wheel	1
57	Screw	2
58	Nut	1
59	Thread shaft	1
60	Plate	1
61	Clamp	2
62	Dust extraction hose	1
63	Base	1
64	Switch box	1
65	Switch	1
66	Clamp for cord	1
67	Set screw	4
68	Power Cord	1
69	Washer	1
70	Arbor	1
71	Plate	2
72	Supporting rear	2
73	Washer	2

Parts Breakdown/List

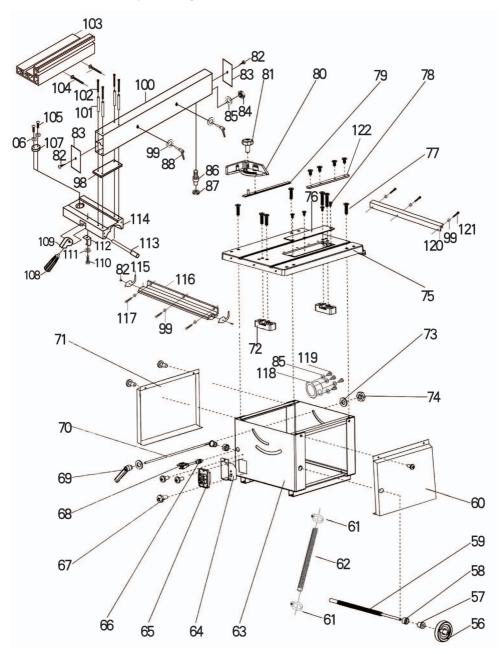
74	Nut	1
75	Table	1
76	Cover	1
77	Screw	6
78	Screw	4
79	Pin	1
80	Scale	1
81	Lock handle	1
82	Screw	1
83	Bung	1
84	Hex nut	1
85	Flat washer	1
86	Bearing Bar	1
87	Bearing	2
88	Small handgrip	1
89	Tap screw 4×12	1
90	Flat head screw M4×8	6
91	Right protection plate	1
92	Safety screen (left)	1
93	Safety screen (right)	1
94	Left protection plate	1
95	Tap screw 4 ×24	2
96	Lock bolt	1
97	Washer 5	1
98	Connecting plate	1
99	Flat washer 5	1
100	Fence extrusion aluminium	1
101	Bush bearing	4
102	Screw M6×65	4
103	Fence"L"shape	1
104	Carriage crew M6×55	2
105	Fence plate	1
106	Circle ring	1

107	Lens	1
108	Taping screw ST4.2×12	8
109	End cap,fence carrier	2
110	Fence carrier	1
111	Eccentric shaft	1
112	Lock plate	36
113	Pan head screw M4×10	1
114	Hex nut M8	1
115	Lock handle,fence	2
116	T-nut M5	8
117	Pan head screw M5×10	2
118	Fine adjusting handle	1
119	Coil spring,fine adjust	1
120	Eccentric arbor	1
121	Set screw M6×6	2
122	Gear rod,fine adjust	1
123	Core gear	1
124	Washer 4mm	1
125	Sunk head screw M5×8	1
126	Lock shaft, fine adjust	1
127	Screw guide	2
128	Rubber sticker	2
129	Frame, fine adjust gear	1
130	End cap, front rail	2
131	screw M8×25	3
133	Rack,fence	3
134	Pan head screwM5×8	6
135	Dust cover	1
136	Screw M5×12	4
137	Support plate	1
138	Screw M6×16	3
139	Cover	1
140	Front rail	1

TS-250M-2 (Table & Fence Exploded Diagram)



TS-200-2 (Table & Fence Exploded Diagram)

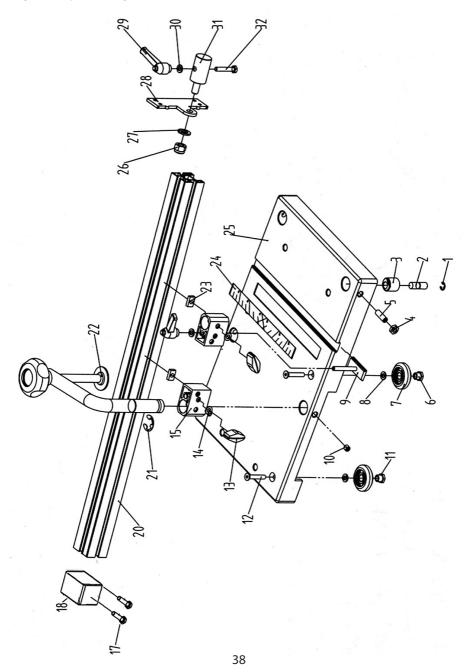


Parts Breakdown/List

Part No	Description	Qty
56	Hand wheel	1
57	Screw	2
58	Nut	1
59	Thread shaft	1
60	Plate	1
61	Clamp	2
62	Dust extraction hose	1
63	Base	1
64	Switch box	1
65	Switch	1
66	Clamp for cord	1
67	Set screw	4
68	Power Cord	1
69	Washer	1
70	Arbor	1
71	Plate	2
72	Supporting rear	2
73	Washer	2
74	Nut	1
75	Table	1
76	Cover	1
77	Screw	6
78	Screw	4
79	Pin	1
80	Scale	1
81	Lock handle	1
82	Screw ST2.9×9.5	1
83	Bung	1
84	Hex nut	1

85	Flat washer	1
86	Bearing Bar	1
87	Bearing	2
88	Small handgrip	1
98	Connecting plate	1
99	Flat washer 5	1
100	Fence extrusion aluminium	1
101	Push	4
102	Screw M6×65	4
103	Fence "L" shape	1
104	Carriage screw M6×70	2
105	Screw	2
106	Flat washer 4	1
107	Poiniter with magnifier	1
108	Locking handle	1
109	Locking eccentric block	1
110	Screw M4×8	3
111	Flat washer 4	1
112	Spring sheet	1
113	Pivot for locking	1
114	Sliding base	1
115	Slide guide end plate	1
116	Slide guide plate	1
117	Hex bolt M6×16	4
118	Dust cover	1
119	Screw M5×12	4
120	Support plate	1
121	Screw M6×16	3
122	Cover	1

Sliding Table Exploded Diagram

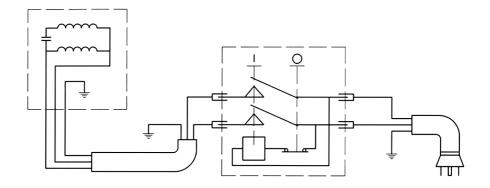


Parts Breakdown/List

Part No	Description	Qty
1	C-shaped ring	1
2	Sliding axle	1
3	Eccentric bush	1
4	Hex thin nut M8	1
5	Set screw M8 x 25	1
6	Eccentric nut	2
7	Trolley	4
8	Washer φ 6	4
9	T-shaped bolt	1
10	Set screw M8 x 10	1
11	Homocentric nut	2
12	Socket countersunk screw	4
13	Rhombic handgrip	2
14	Washer φ 6	3
15	Connecting block	2

17	Cara M4 12	2
17	Screw M4 x 12	
18	Wood block	1
20	Angle fence	1
21	E'ring φ 16	1
22	Press handle	1
23	Square toes nut	1
24	Angle.ruler	1
25	Sliding table	1
26	Locking nut M10	1
27	Washer φ 10	1
28	Turing plate	1
29	Small handgrip	1
30	Washer φ 6	1
31	Locating pole	1
32	Hex bolt M6 x 35	1

Wiring Diagram







for EC-Type Examination EC Directive 2006/42/EC Article 12, Section 3b Machinery

Registration No.:

BM 50242420 0001

Report No.:

17704873 001

Holder:

Laizhou Chunlin Machinery Co., Ltd.

No.269 Baoshi Road

Wenfeng Street Laizhou City, Shandong 261400

P.R. China

Product:

Circular saw (Circular Saw)

Identification:

Type Designation : MJ10-SB250

001

MJ10-SB200

Serial No. : 001 Rated Voltage : AC 230V, 50Hz

Input Power : 1500W Diameter of the blade: 250mm Max. Cutting Height : 85mm

This product is in conformity with all requirements of Annex I of Council Directive 2006/42/EC.

This EC-type Examination Certificate refers to an evaluation of the above mentioned product as stipulated in Annex IX and documented in the a.m. Technical Report. It does not imply an assessment of the whole production and does not permit the use of a mark of conformity of TÜV Rheinland. The holder of certificate is authorized to use this EC-Type Examination Certificate in connection with the EC-declaration of conformity according to Annex II of the Directive.

Valid till:

08.06.2018

Notified Body

Date 09.06.2013

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Accredited by Zentralstelle der Länder für Sicherheitstechnik (ZLS).

Notified under No. 0197 to the EC Commission.

(The CE marking may be used if all relevant and effective EC Directives are complied with. ()

CERTIFICATE



of Conformity Low Voltage Directive 2006/95/EC

Registration No.:

AN 50242421 0001

Report No.:

17704873 001

Holder:

Laizhou Chunlin Machinery Co., Ltd.

No.269 Baoshi Road

Wenfeng Street

Laizhou City, Shandong 261400

P.R. China

Product:

Circular saw

(Circular Saw)

Identification:

Type Designation : MJ10-SB250

MJ10-SB200

001

Serial No.

. 001

Remark: Refer to test report 17704873 001 for details.

This certificate of conformity is based on an evaluation of a sample of the above mentioned product. Technical Report and documentation are at the Licence Holder's disposal. This is to certify that the tested sample is in conformity with all revision of Annex I of Council Directive 2006/95/EC, in its latest amended version, referred to as the Low Voltage Directive. This certificate does not imply assessment of the series-production of the product and does not permit the use of a TÜV Rheinland mark of conformity. The holder of the certificate is authorized to use this certificate in connection with the EC declaration of conformity according to Annex III of the Directive.

Date ___09.06.2013

Dipl.-Ing. (FH)-F. He

Certification_Body

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

(The CE marking may be used if all relevant and effective EC Directives are complied with. (€

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The **Axminster guarantee** is available on Hobby, Trade, Industrial, Engineer, Air Tool & CNC Technology Series machines

It's probably the most comprehensive FREE guarantee ever- buy with confidence from Axminster! So sure are we of the quality, we cover all parts and labour free of charge for three years!

- · Look for the icon and put your trust in Axminster
- · No registration necessary just keep your proof of purchase
- Optional Service Plan for Industrial Series machinery





Great value & easy-to-use, perfect for use at home



Quality, precision machines for the workshop or education



Solid, reliable machines designed for daily use



Small machines for the home



Top performers with class leading features and build quality for use in busy workshops



Compressors and tools for home or workshop use; durable and great value



Precision CNC machines for industry and education

Free Three Year Guarantee on Axminster Hobby, Trade and Industrial Series woodworking and engineering machines, Axminster Air compressors and Air Tools, and bench top grinders - no registration necessary just proof of purchase.

We will repair or replace at our discretion and will collect only from a UK mainland address, irrespective of the original delivery address.

The Guarantee assumes that you have bought the correct machine for the required operation, in accordance with our guidelines; have operated and maintained it in accordance with the instruction manual; and that all cutting machines will be used with a blade which is sharp and serviceable at all times. It does not cover consumable items purchased with the original product, including original blades or abrasives.

Normal wear and tear; misuse, abuse and neglect are excluded and the machine should not have been modified in any way. Please do not attempt to service the product without first contacting us; we are happy to guide you but failure to do so may invalidate the guarantee.

The Guarantee is transferable from owner to owner in the first three years but you must have original proof of purchase. Should we need to replace a machine in the first three years the guarantee will still continue to be effective from the original purchase date.

Full Terms and Conditions can be found at **axminster.co.uk/terms** This guarantee does not affect your statutory rights.

For more information visit axminster.co.uk/3years



Please dispose of packaging for the product in a responsible manner. It is suitable for recycling. Help to protect the environment, take the packaging to the local recycling centre and place into the appropriate recycling bin.

Only for EU countries



Do not dispose of electric tools together with household waste material. In observance of European Directive 2002/96/EC on waste electrical and electronic equipment and its implementation in accordance with national law, electric tools that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility.

Axminster Tools & Machinery Ltd Weycroft Avenue, Axminster, Devon EX13 5PH

axminster.co.uk